Amdt, dated December 27, 2007

Reply to Office Action of, October 2, 2007

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

(Currently Amended) <u>A liquid-crystalline</u> <u>Liquid-crystalline</u> medium <u>based on comprising</u> a mixture of polar compounds of positive or negative dielectric anisotropy, <u>characterised in that it comprises including</u> one or more compounds of the <u>general</u> formula I

$$R^1$$
  $O$   $O$   $R^2$   $I$ 

in which

R<sup>1</sup> and R<sup>2</sup> are each, independently of one another, identically or differently, H, an alkyl radical having from 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or CF<sub>3</sub> or at least monosubstituted by halogen, where, in addition, one or more CH<sub>2</sub> groups in these radicals may each, independently of one another, be replaced by -O-, -S-, ————, -CH=CH-,

-C≡C-, -CO-, -CO-O-, -O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another,

and further comprising one or more compounds of the formulae XI to XVII:

Amdt. dated December 27, 2007

Reply to Office Action of, October 2, 2007

$$R^{1} \hspace{-0.1cm} \begin{array}{c} \hspace{-0.1cm} \text{O} \hspace{-0.1cm} - \hspace{-0.1cm} Z^{1} \hspace{-0.1cm} \begin{array}{c} \hspace{-0.1cm} \text{O} \hspace{-0.1cm} - \hspace{-0.1cm} R^{2} \end{array}$$

$$R^1$$
  $H$   $Z^2$   $H$   $R^2$   $XIV$ 

$$R^1$$
  $H$   $Z^2$   $O$   $R^2$   $XV$ 

$$R^1$$
  $H$   $Z^1$   $O$   $Z^2$   $O$   $R^2$ 

in which the individual radicals have the following meanings:

R<sup>1</sup> and R<sup>2</sup>: independently of one another, identically or differently, n-alkyl,
n-alkoxy or alkenyl, each having up to 9 carbon atoms; and

 $Z^1$  and  $Z^2$ : independently of one another, identically or differently, a single

Amdt. dated December 27, 2007

Reply to Office Action of, October 2, 2007

## bond, -CF<sub>2</sub>O-, -OCF<sub>2</sub>-, -CH<sub>2</sub>O-, -OCH<sub>2</sub>-, -CH=CH-, -C<sub>2</sub>H<sub>4</sub>-, -C<sub>3</sub>F<sub>4</sub>-, -CH<sub>2</sub>CF<sub>2</sub>-, -CF<sub>2</sub>CH<sub>2</sub>- or -C<sub>4</sub>H<sub>8</sub>-.

- (Currently Amended)
   A medium Medium according to Claim 1, eharacterised in that wherein, in the compound of the formula I, R<sup>1</sup> and/or R<sup>2</sup> are, independently of one another, identically or differently, H, a straight-chain alkyl radical having from 1 to 9 carbon atoms or a straight-chain alkenyl radical having from 2 to 9 carbon atoms.
- (Currently Amended) <u>A medium Medium</u> according to Claim 1, characterised in that it comprises comprising one or more compounds selected from the group consisting of the compounds of the sub-formulae Ia to Id:

where the term "alkyl1" and "alkyl2" in each case, independently of one

Amdt, dated December 27, 2007

Reply to Office Action of, October 2, 2007

another, identically or differently, denotes a hydrogen atom or an alkyl radical having from 1 to 9 carbon atoms, preferably a straight chain alkyl radical having from 1 to 5 carbon atoms, and the term "alkenyl" and "alkenyl<sup>2</sup>" in each case, independently of one another, identically or differently, denotes an alkenyl radical having from 2 to 9 carbon atoms, preferably a straight chain alkenyl radical having from 2 to 5 carbon atoms.

 (Currently Amended) <u>A medium Medium</u> according to claim 1, eharacterised in that it comprises <u>comprising</u> one or more compounds selected from the <u>group consisting of the compounds</u> of the sub-formulae I1 to I25:

$$H_3C-O-O-C_3H_7$$

$$H_3C - O - O - C_4H_9$$

$$H_3C-O-O-C_5H_{11}$$

Amdt. dated December 27, 2007

Reply to Office Action of, October 2, 2007

Amdt. dated December 27, 2007

Reply to Office Action of, October 2, 2007

Amdt. dated December 27, 2007

Reply to Office Action of, October 2, 2007

$$H_9C_4$$
 O  $O$   $F$   $O$   $C_5H_{11}$ 

$$H_{1,1}C_{\overline{5}}$$
  $O$   $O$   $CH_3$ 

$$H_{11}C_5$$
  $O$   $O$   $C_2H_5$ 

$$H_{11}C_{\overline{5}}$$
  $O$   $O$   $C_{3}H_{7}$ 

$$H_{11}C_5$$
  $O$   $O$   $C_4H_9$   $I24$   $\underline{or}$ 

$$H_{11}C_{5}$$
  $O$   $O$   $C_{5}H_{11}$ 

 (Currently Amended) A medium Medium according to claim 1, eharacterised in that the having a proportion of compounds of the formula I in the mixture as a whole is from of 1 to 60% by weight.

Amdt. dated December 27, 2007

Reply to Office Action of, October 2, 2007

 (Currently Amended) <u>A medium Medium</u> according to claim 1, eharacterised in that it additionally comprises <u>comprising</u> one or more <del>compounds selected</del> from the group consisting of compounds of formulae II to X;

$$R^{0} - H - Z^{0} - H - Z^{0} - V^{1}$$

$$R^{0} - H - Z^{0} - H - Z^{0} - V^{1}$$

$$R^{0} - H - Z^{0} - V^{1}$$

$$R^{0} - H - Z^{0} - V^{2}$$

$$R^{0} - H - Z^{0} - V^{3} - V^{1}$$

$$V$$

$$V$$

Amdt. dated December 27, 2007

Reply to Office Action of, October 2, 2007

$$R^{0} \xrightarrow{\text{H}}_{\Gamma} \xrightarrow{\text{V}^{3}} Z^{2} \xrightarrow{\text{V}^{1}} X^{0} \qquad \text{VIII}$$

$$R^{0} \xrightarrow{\text{V}^{5}} Z^{0} \xrightarrow{\text{V}^{3}} Z^{0} \xrightarrow{\text{V}^{1}} X^{0} \qquad \text{IX} \quad \underline{\text{OI}}$$

$$R^{0} \xrightarrow{\text{V}^{5}} Z^{0} \xrightarrow{\text{V}^{3}} Z^{0} \xrightarrow{\text{V}^{1}} X^{0} \qquad \text{IX} \quad \underline{\text{OI}}$$

$$R^{0} \xrightarrow{\text{V}^{5}} Z^{0} \xrightarrow{\text{V}^{3}} Z^{0} \xrightarrow{\text{V}^{1}} X^{0} \qquad \text{IX} \quad \underline{\text{OI}}$$

in which the individual radicals have the following meanings:

- R<sup>0</sup>: n-alkyl, oxaalkyl, fluoroalkyl or alkenyl, each having up to 9 carbon atoms:
- X<sup>0</sup>: F, Cl, halogenated alkyl or halogenated alkoxy having from 1 to 6 carbon atoms, or halogenated alkenyl having from 2 to 6 carbon atoms:
- Z<sup>0</sup>: -CF<sub>2</sub>O-, -OCF<sub>2</sub>-, -CH<sub>2</sub>O-, -OCH<sub>2</sub>-, -CO-O-, -O-CO-, -CH=CH-, -C<sub>2</sub>H<sub>4</sub>-, -C<sub>2</sub>F<sub>4</sub>-, -CH<sub>2</sub>CF<sub>2</sub>-, -CF<sub>2</sub>CH<sub>2</sub>- or -C<sub>4</sub>H<sub>8</sub>-;

Amdt, dated December 27, 2007

Reply to Office Action of, October 2, 2007

out, marpensening or one anomer, in or i

- r: 0 or 1.
- (Currently Amended) <u>A medium</u> Medium according to Claim 6, eharacterised in that the having a proportion of compounds of the formulae II to X in the mixture as a whole is from of 20 to 70% by weight.
- 8. (Cancelled)
- (Currently Amended) <u>A medium</u> Medium according to Claim 8 1, eharacterised in that the <u>having a</u> proportion of compounds of the formulae XI to XVII in the mixture as a whole is from of 5 to 70% by weight.
- 10. (Cancelled)
- (Currently Amended) <u>An</u> Electro-optical display devices <u>device</u> containing a liquid-crystalline medium according to claim 1.
- (New) A medium according to claim 3, wherein alkyl¹ and alkyl² are each independently H or a straight-chain alkyl radical with 1-5 C-atoms.
- (New) A medium according to claim 3, wherein alkenyl<sup>1</sup> and alkenyl<sup>2</sup> are each independently alkenyl radicals with 2-9 C-atoms.